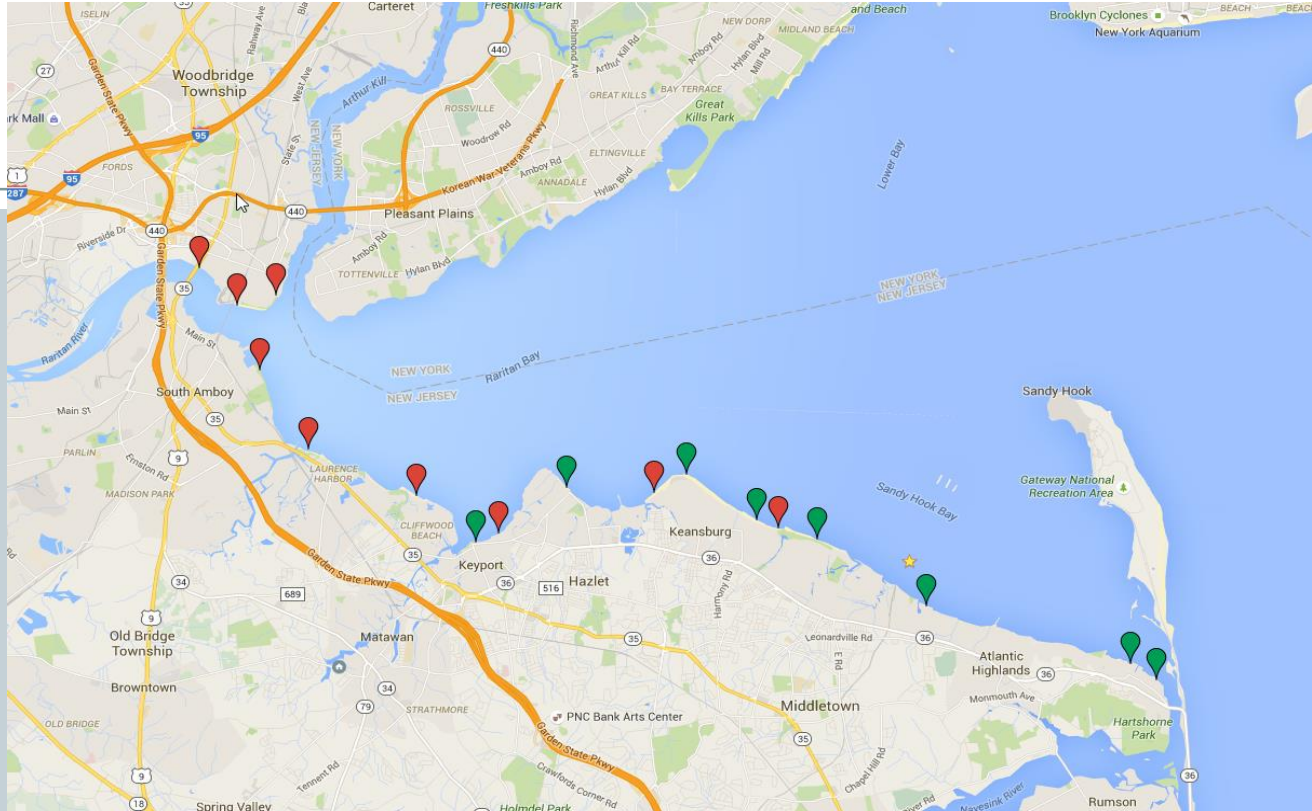


Citizen Science Monitoring for Pathogen Indicators Along the NJ Bayshore



Meredith Comi, Restoration Program Director
NY/NJ Baykeeper
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Why is this project important?



- Sites are not currently monitored by Monmouth County Dept. of Health or NJDEP; no data on water quality.
- Although not designated as bathing beaches, sites are used for recreation, fishing, and swimming.
- Data can inform the public, elected officials, agencies, and residents about their local water quality.
- Engages citizens and promotes awareness.

Conclusions



- Higher levels of Enterococcus were found near CSO sites, especially after a rain event.
- It does not take much rainfall to trigger a CSO discharge and more research should be focused on this.
- It takes about 72 hours for the system to “flush” and citizens should avoid the water for 72 hours after a rain event.
- A public notification system implemented at these locations would be an important part of a water quality monitoring program.